



Alexandria international
for trading & contracting co dll

HAPPINESS IS OUR GOAL FOR YOU

About Us

We are Alexandria international for Trading & Contracting Co. It is one of the Egyptian shareholding companies that works in the field of exporting cement-clinker-rock phosphate –rock salt-fertilizer and trading them in the world there are qualified employees to work in this field, which enabled them to conclude many export contracts with many clients in many countries. And we must make great efforts to be in a position that allows us to live up to that responsibility, and strive to achieve our goals of integrity, honesty, responsibility and full and true respect for the rules and ethics of the profession. Because we want to be the company that customers always trust.

Our Policy and Goals

Our policy is to provide real and effective services in order to meet the evolving and successive requirements of our clients, day after day, in order to achieve complete satisfaction for all our customers and partners with full professionalism by the highly trained team and have experiences with all procedures for exporting All our work is accomplished in a professional manner that achieves complete satisfaction of all customers as we work hard to protect the interests of our customers. Alexandria international for Trading and Contracting provides all its customers around the clock all the requirements and materials with high quality

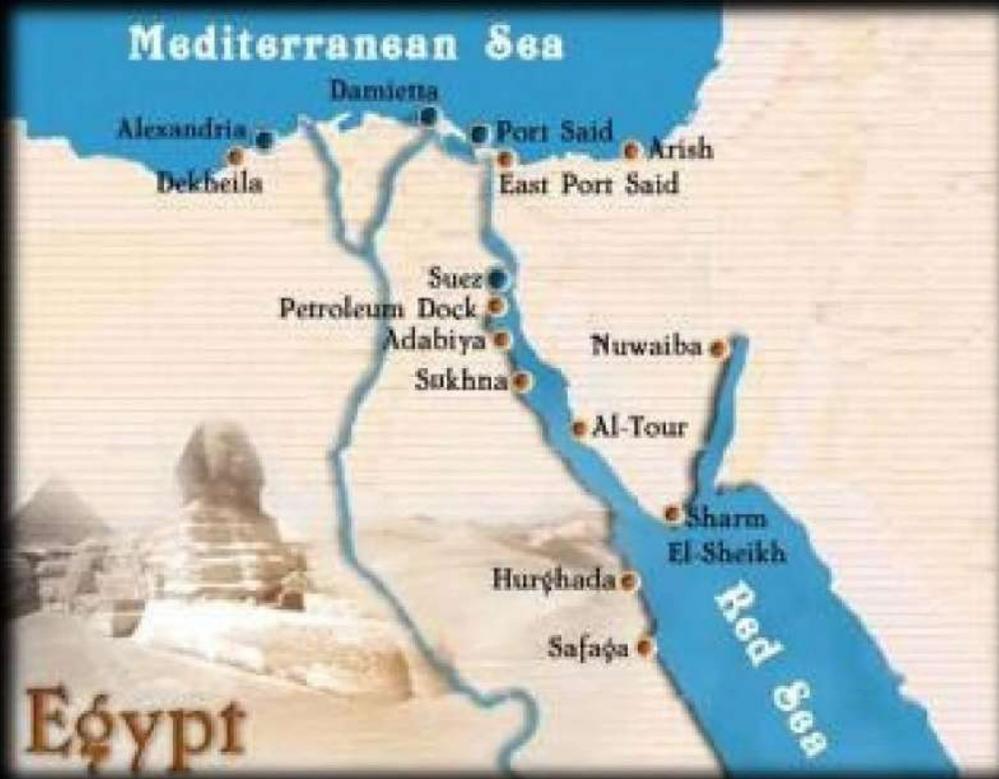
Below are the list and details of our products:

Rock phosphate: phosphate ore from 16% p2o5 to 32% p2o5 bulk in vessel & jumbo bags

Rock salt: rock salt (sodium chloride) row & washed bulk in vessel& jumbo & 50 -25kg

Fertilizer: we have some selected items (urea –map –dap -....)







ROCK PHOSPHATE

ROCK PHOSPHATE



ANALYSIS DATA SHEET (ADS) Rock Phosphate 22%

DESCRIPTION (Rock Phosphate 22%)

CHEMICAL ANALYSIS FOR PHOSPHATE ROCK	
Element	Result %
P2O5	22.00 Min
CaO	47.00 - 48.00
MgO	0.30 - 0.40
R2O3 (Al2O3+Fe2O3)	1.00 - 1.80
K2O	0.02 - 0.05
Na2O	0.20 - 0.02
SiO2	10.00 - 12.00
SO3	1.50 - 2.00
F	3.00 - 3.30
CL	0.05 - 0.10
LOI	4.50 - 7.00
CO2	4.50 - 5.20
Org. Matter	0.15 - 0.25
CaMn	10.20 - 11.80
Moisture	4 Max
PHYSICAL PROPERTIES	
Size	Result %
+4.50 MM	3.00
-4.50 MM + 0.15 MM	68.00 - 72.00
-0.15 MM + 0.08 MM	14.00 - 16.00
-0.08 MM + 0.05 MM	10.00 - 12.00
-0.05 MM	2.00 - 4.00



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ANALYSIS DATA SHEET (ADS) Rock Phosphate 24%

DESCRIPTION (Rock Phosphate 24%)

CHEMICAL ANALYSIS FOR PHOSPHATE ROCK	
Element	Result %
P2O5	24.00 Min
CaO	47.00 - 48.00
MgO	0.30 - 0.40
R2O3 (Al2O3+Fe2O3)	1.00 - 1.80
K2O	0.02 - 0.05
Na2O	0.20 - 0.02
SiO2	10.00 - 12.00
SO3	1.50 - 2.00
F	3.00 - 3.30
CL	0.05 - 0.10
LOI	4.50 - 7.00
CO2	4.50 - 5.20
Org. Matter	0.15 - 0.25
CaMn	10.20 - 11.80
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ANALYSIS DATA SHEET (ADS) Rock Phosphate 25%

DESCRIPTION (Rock Phosphate 25%)

CHEMICAL ANALYSIS FOR PHOSPHATE ROCK	
Element	Result %
P2O5	25.00 Min
CaO	47.00 - 48.00
MgO	0.30 - 0.40
R2O3 (Al2O3+Fe2O3)	1.00 - 1.80
K2O	0.02 - 0.05
Na2O	0.20 - 0.02
SiO2	10.00 - 12.00
SO3	1.50 - 2.00
F	3.00 - 3.30
CL	0.05 - 0.10
LOI	4.50 - 7.00
CO2	4.50 - 5.20
Org. Matter	0.15 - 0.25
CaMn	10.20 - 11.80
Moisture	4 Max
PHYSICAL PROPERTIES	
Size	Result %
+4.50 MM	3.00
-4.50 MM + 0.15 MM	68.00 - 72.00
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ANALYSIS DATA SHEET (ADS) Rock Phosphate 26%

DESCRIPTION (Rock Phosphate 26%)

CHEMICAL ANALYSIS FOR PHOSPHATE ROCK	
Element	Result %
P2O5	26.00 Min
CaO	47.00 - 48.00
MgO	0.30 - 0.40
R2O3 (Al2O3+Fe2O3)	1.00 - 1.80
K2O	0.02 - 0.05
Na2O	0.20 - 0.02
SiO2	10.00 - 12.00
SO3	1.50 - 2.00
F	3.00 - 3.30
CL	0.05 - 0.10
LOI	4.50 - 7.00
CO2	4.50 - 5.20
Org. Matter	0.15 - 0.25
CaMn	10.20 - 11.80
Moisture	4 Max
PHYSICAL PROPERTIES	
Size	Result %
+4.50 MM	3.00
-4.50 MM + 0.15 MM	68.00 - 72.00
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ANALYSIS DATA SHEET (ADS) Rock Phosphate 28%

DESCRIPTION (Rock Phosphate 28%)

CHEMICAL ANALYSIS FOR PHOSPHATE ROCK	
Element	Result %
P2O5	28.00 Min
CaO	47.00 - 48.00
MgO	0.30 - 0.40
R2O3 (Al2O3+Fe2O3)	1.00 - 1.80
K2O	0.02 - 0.05
Na2O	0.20 - 0.02
SiO2	10.00 - 12.00
SO3	1.50 - 2.00
F	3.00 - 3.30
CL	0.05 - 0.10
LOI	4.50 - 7.00
CO2	4.50 - 5.20
Org. Matter	0.15 - 0.25
CaMn	10.20 - 11.80
Moisture	4 Max
PHYSICAL PROPERTIES	
Size	Result %
+4.50 MM	3.00
-4.50 MM + 0.15 MM	68.00 - 72.00
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ANALYSIS DATA SHEET (ADS) Rock Phosphate 29%

DESCRIPTION (Rock Phosphate 29%)

CHEMICAL ANALYSIS FOR PHOSPHATE ROCK	
Element	Result %
P2O5	29.00 Min
CaO	47.00 - 48.00
MgO	0.30 - 0.40
R2O3 (Al2O3+Fe2O3)	1.00 - 1.80
K2O	0.02 - 0.05
Na2O	0.20 - 0.02
SiO2	10.00 - 12.00
SO3	1.50 - 2.00
F	3.00 - 3.30
CL	0.05 - 0.10
LOI	4.50 - 7.00
CO2	4.50 - 5.20
Org. Matter	0.15 - 0.25
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ANALYSIS DATA SHEET (ADS) Rock Phosphate 30%

DESCRIPTION (Rock Phosphate 30%)

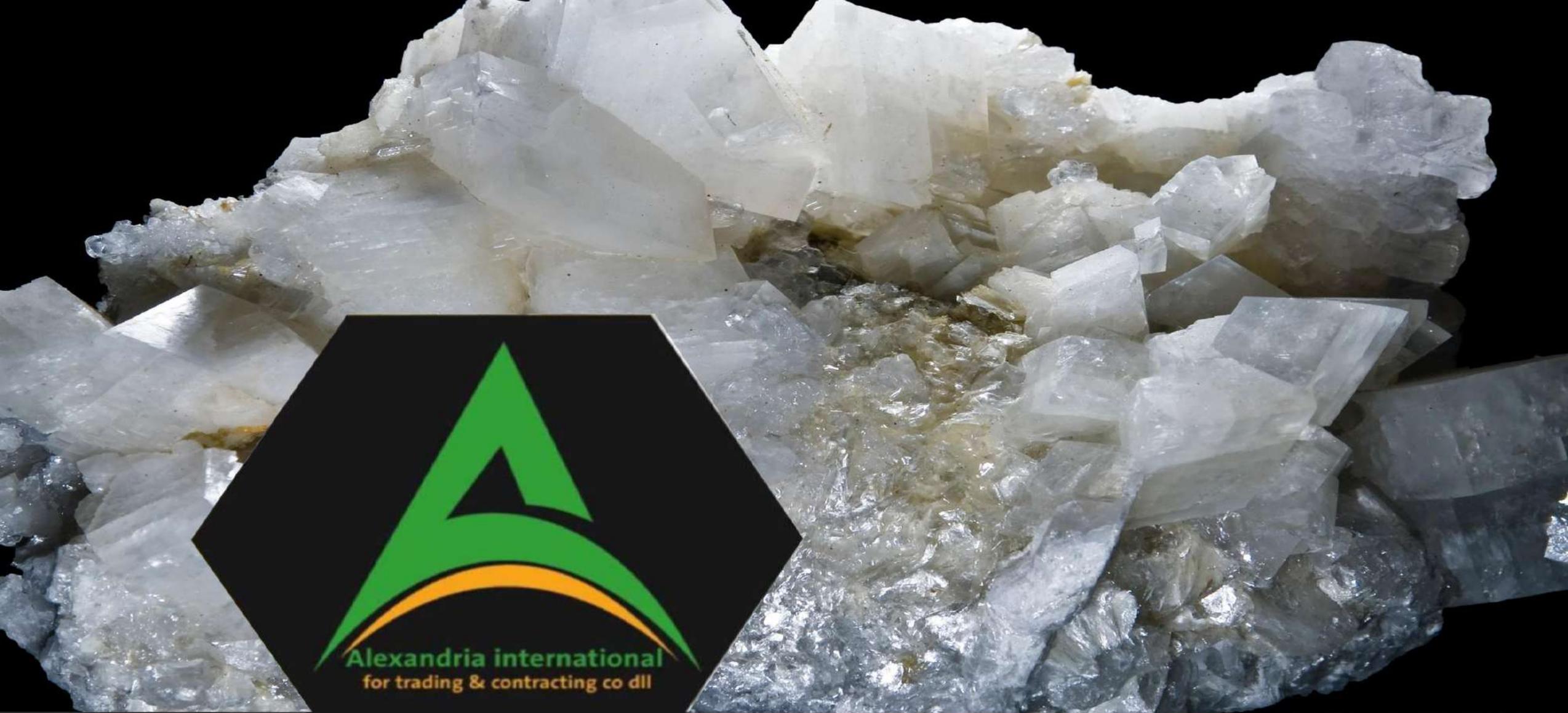
CHEMICAL ANALYSIS FOR PHOSPHATE ROCK	
Element	Result %
P2O5	30.00 Min
CaO	47.00 - 48.00
MgO	0.30 - 0.40
R2O3 (Al2O3+Fe2O3)	1.00 - 1.80
K2O	0.02 - 0.05
Na2O	0.20 - 0.02
SiO2	10.00 - 12.00
SO3	1.50 - 2.00
F	3.00 - 3.30
CL	0.05 - 0.10
LOI	4.50 - 7.00
CO2	4.50 - 5.20
Org. Matter	0.15 - 0.25
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Dolomite

Dolomite crystals: This specimen is approximately 3 inches (6.7 centimeters) across



Dolomite aggregate :Dolostone is used for asphalt paving. These specimens are approximately 1/2 inch to 1 inch (1.3 centimeters to 2.5 centimeters) across.



Dolostone: The "sugary" sparkle displayed by this rock is caused by light reflecting from tiny dolomite cleavage faces. This specimen is approximately 4 inches (10 centimeters) across



Dolomitic marble: This specimen is approximately 4 inches (10 centimeters)



Granular Dolomite: Dolomitic marble This specimen is approximately 3 inches (6.7 centimeters) across



Physical Properties of Dolomite

Chemical Classification	Carbonate
Color	Colorless, white, pink, green, gray, brown, black
Streak	White
Luster	Vitreous, pearly
Diaphaneity	Transparent to translucent
Cleavage	Perfect, rhombohedral, three directions
Mohs Hardness	3.5 to 4
Specific Gravity	2.8 to 2.9
Diagnostic Properties	Rhombohedral cleavage, powdered form effervesces weakly in dilute HCl, hardness
Chemical Composition	$\text{CaMg}(\text{CO}_3)_2$
Crystal System	Hexagonal
Uses	Construction aggregate, cement manufacture, dimension stone, calcined to produce lime, sometimes an oil and gas reservoir, a source of magnesia for the chemical industry, agricultural soil treatments, metallurgical flux



MANGANESE



MANGANESE ORE Mn >42%

Chemical Composition	Guaranteed (% by the weight)
Manganese (Mn)	<42% to 46 % + Basis, reject Below 42%
Phosphorus Pentoxide (P2O5)	<0.50% Guarantee
Potassium Oxide (K2O)	<1.50% Guarantee
Sodium Oxide (Na2O)	<1.50% Guarantee
Barium Oxide (BaO)	<1.50% Guarantee
Sulphur (S)	<0,08% Guarantee
Silicon Dioxide (SiO2)	<12.00% Guarantee
Phosphorus (P)	<0.10% Guarantee
Magnesium Oxide (MgO)	<2.00% Guarantee
Calcium Oxide (CaO)	<4.00% Guarantee
Iron Oxide / Hematite (Fe2O3)	<10.00% Guarantee
Aluminium Oxide (Al2O3)	<4.00% Guarantee
Mercury (Hg)	<0.01% Guarantee
Zinc Oxide (ZnO)	<1.00% Guarantee
Iron (Fe)	<5.00% Guarantee
Moisture at 105 degrees centigrade (ISO-4299/DRY10)	3% Max Guarantee
Radioactive Elements	0.025MR/HR Max Guarantee
Granulometry Size	10mm to 80mm 90% Max Guarantee
	>80mm 5% Max Guarantee
	<5mm 5% Max Guarantee



MANGANESE ORE Mn >42%TO 46%

MU	ULTIMATE ANALYSIS %	MINERAL ANALYSIS	%
1	Moisture: 8% max. A 105° C. (Method applied ISO-4299/DRY10) free moisture loss at 105°C.	Mn	>46% - Rej. Mn <45%
2	Granulometry: Size: <0.1 mm TO 50 mm... >90% minimum.	P2O5	<0.50% max
3	Radioactive elements: 0.025MR/HR max.	K2O	<1.00% max
4	-	S	0.080% max
5	-	SiO2	<8.00% max
6	-	CaO	0.20% max
7	-	Fe2O3	<10.00% max
8	-	Al2O3	<7.00% max
9	-	Hg	<0.01% max
10	-	ZnO	<1.00% max
11	-	Fe	<6% max





IRON ORE



IRON ORE Mn >42%TO62.5%

Component	From (%)	To (%)	Max (%)
Fe	50.5	52.5	
Fe2o3	72	75	
SiO2	7.5	9	
MnO			3
Cl			0.6
Al2O3			2.3
P2O5			0.5
S			0.7
BaO			2
K2O & Na2O			0.75



Component	From (%)	To (%)	Max (%)
Fe	57	60	
Fe2O3	81.35	86.07	
SiO2	2	5	
MnO	0.9	1.9	
Cl			0.89
Al2O3			0.57
P2O5			0.66
S			1.24
BaO			3.4
K2O & Na2O			0.75



IRON ORE Mn >75 % TO 91.5%

NU	ELEMENT	Weight Percentage	%
1	Si Silicon	4.415	%
2	Al Aluminum	1.985	%
3	Ti Titanium	0.93	%
4	S Sulfur	0.54	%
5	P Phosphorus	0.14	%
6	Co Cobalt	0.09	%
7	Cu Copper	0.025	%
8	V Vanadium	0.20	%
9	Zn Zinc	0.08	%
10	Mn Manganese	0.04	%
11	As Arsenic	0.01	%
12	Cr Chromium	0.05	%
13	Fe Iron	91.51	%



LIMESTONE MARBLE

No.	COMPOSITION	UNIT VALUE
1	CaCO ₃	98.9 %
2	MgO	0.15 %
3	Al ₂ O ₃	0.23 %
4	Fe ₂ O ₃	0.07 %
5	K ₂ O	0.19 %
6	Na ₂ O	0.26 %
7	Moisture	0.02 %
8	Hardness	4 Mohs
9	Thermal Endurance	390 degrees
10	Density	2.6 g/cm ³
11	Load Capacity	560 kgf/cm ²



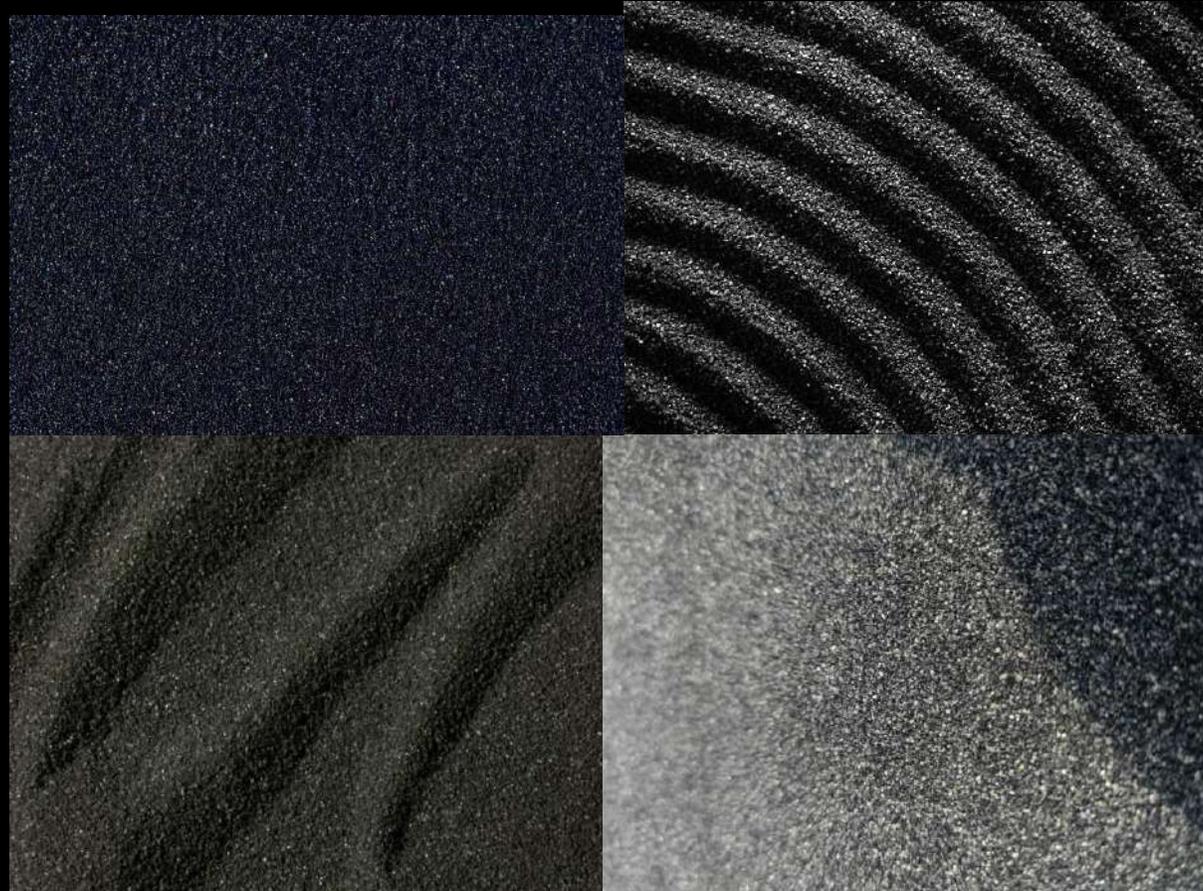
SILICA SAND 99.80% Fe₂O₃ = 0,012-0.015

Constituents	Specifications
SiO ₂	99.80 min.
Fe ₂ O ₃	0.015 %max.
Al ₂ O ₃	0.30 %max.
TiO ₂	0.016 – 0.04%
CaO	0.03 max.
MgO	0.005 max.
Cr ₂ O ₃	Traces



Ilmenite sand

Constituents	Specifications
TiO ₂	46.5%
V ₂ O ₅	0.17 %
Na ₂ O	0.30 %
Fe ₂ O ₃	50.75 %
SiO ₂	2.33 %
Al ₂ O ₃	0.94%
Nb ₂ O ₅	0.039 %
P ₂ O ₅	0.047 %
Cr ₂ O ₃	0.39 %
MgO	0.87%
CaO	1.06 %
U	10 ppm max.
Th	10 ppm max.
MnO	1.65 %
ZrO ₂	0.06
LOI	-2.8%



ZIRCON SAND

Constituents	Specifications
TiO ₂	0.5%
ZrO ₂ +HfO ₂	65.8 %
U+Th	293 PPM
Fe ₂ O ₃	0.12 %
SiO ₂	32.1 %
Al ₂ O ₃	0.45%
MnO	0.04 %
Y ₂ O ₃	0.014 %
P ₂ O ₅	0.255 %
CaO	0.55 %
Cr ₂ O ₃	0.02%
MgO	0.044 %



Albaite sand

No.	Component	Result	Unit	Det. Limit	El. line	Intensity	w/o normal
1	Na2O	10.6	mass%	0.01681	Na-KA	42.8035	9.0633
2	MgO	0.742	mass%	0.00931	Mg-KA	7.4590	0.6334
3	Al2O3	20.4	mass%	0.00765	Al-KA	514.3861	17.4398
4	SiO2	65.5	mass%	0.01424	Si-KA	1225.8497	55.7419
5	P2O5	0.180	mass%	0.00214	P-KA	5.0167	0.1534
6	SO3	0.0395	mass%	0.00223	S-KA	0.9238	0.0337
7	Cl	0.0964	mass%	0.00293	Cl-KA	1.6385	0.0822
8	K2O	0.363	mass%	0.00281	K-KA	5.7318	0.3098
9	CaO	0.657	mass%	0.00208	Ca-KA	11.0231	0.5605
10	TiO2	0.596	mass%	0.00828	Ti-KA	3.7627	0.5088
11	V2O5	0.0135	mass%	0.00541	V-KA	0.2411	0.0116
12	MnO	0.0087	mass%	0.00271	Mn-KA	0.3886	0.0074
13	Fe2O3	0.799	mass%	0.00270	Fe-KA	55.9334	0.6817
14	NiO	0.0030	mass%	0.00133	Ni-KA	0.5105	0.0026
15	Ga2O3	0.0041	mass%	0.00114	Ga-KA	1.4822	0.0035
16	Rb2O	0.0014	mass%	0.00064	Rb-KA	1.7900	0.0012
17	SrO	0.0150	mass%	0.00066	Sr-KA	20.6964	0.0128
18	Y2O3	0.0052	mass%	0.00066	Y-KA	8.8224	0.0044
19	ZrO2	0.0593	mass%	0.00376	Zr-KB1	23.0628	0.0505
20	Nb2O5	0.0033	mass%	0.00073	Nb-KA	6.3002	0.0029



Sea Salt & Rock Salt



Sea Salt & Rock Salt



Analysis Data for Dried Vacuum Salt & Vacuum Salt Tablets

Pure Dried Vacuum Salt (PDV SALT)			
Property	Unit	Specification	Typical Analysis
Appearance		White Crystalline	White
Moisture	% w/w NaCl	≤0.5 Max	0.50
Surface Moisture	% w/w H ₂ O	0.3 Max	0.35
Insoluble Matter	% w/w	0.05 Max	0.05
Subsulfate	% w/w (SO ₄)	0.05 Max	0.05
Subsulfate	% w/w	0.3 Max	0.07
Total Iron	% w/w Fe2O ₃	0.005 Max	0.005
Total Calcium	% w/w Ca	0.005 Max	0.005
Total Magnesium	% w/w Mg	0.025 Max	0.017
Total Copper	mg/kg Cu	1.0 Max	0.20
pH of 1% Solution		7.0 ± 0.2	7.1

Vacuum Salt Tablets			
Property	Unit	Specification	Typical Analysis
Appearance		White	White
Moisture	% w/w NaCl	≤0.5 Max	0.50
Surface Moisture	% w/w H ₂ O	0.3 Max	0.35
Insoluble Matter	mg/kg	1.00 Max (0.05%)	0.05
Subsulfate	mg/kg (SO ₄)	1.50 Max (0.05%)	0.05
Subsulfate	mg/kg SO ₄	1.00 Max (0.05%)	0.05
Total Iron	mg/kg Fe	2 Max	0
Total Calcium	mg/kg Ca	2.00 Max (0.05%)	0.05
Total Magnesium	mg/kg Mg	2.00 Max (0.05%)	0.10
Total Hardness (PSI)	psi	2 Max	2.5
Total Copper	mg/kg Cu	1.0 Max	0.20
pH of 1% Solution		7.0 ± 0.2	7.1

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Salt Analysis Data for Washed Salt De-icing

Washed Salt for De-icing - Main Components			
Component	%	%	Tolerance
Moisture	1.69		1.00
Insoluble	1.69		0.20

Washed Salt for De-icing - Contents as ions			
Component	%	%	Tolerance
Subsulfate (SO ₄)	0.70		0.20
Calcium (Ca ⁺⁺)	0.28		0.05
Magnesium (Mg ⁺⁺)	0.29		0.05

Washed Salt for De-icing - Contents as Salts			
Component	%	%	Tolerance
Calcium Sulfate (CaSO ₄)	0.68		0.10
Magnesium Sulfate (MgSO ₄)	0.59		0.20
Magnesium Chloride (MgCl ₂)	0.10		0.05
Sodium Chloride (NaCl)	99.89		0.50

Washed Salt for De-icing - Particle Size Distribution			
Size	%	%	Tolerance
Over 5 mm		35	
Over 2.5 mm		99	
Under 2.5 mm		15	
Total		100%	

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Analysis report for Rock Salt

Raw Rock Salt Specification

ELEMENT	RESULTS%	ANALYSIS METHOD
Moisture	1%	MSTM E 534 / 2003
Purity (as sodium chloride)	98%	MSTM E 534 / 2003
Water insoluble matter	0.50 %	MSTM E 534 / 2003
Subsulfate (SO ₄)	0.80 %	MSTM E 534 / 2003
Calcium (Ca ⁺⁺)	0.2 %	MSTM E 534 / 2003
Magnesium (Mg ⁺⁺)	0.50 %	MSTM E 534 / 2003
Copper (Cu)	0.05%	MSTM E 534 / 2003
Potassium (K)	0.02%	MSTM E 534 / 2003
Calcium Sulfate (Ca SO ₄)	0.40 %	MSTM E 534 / 2003
Magnesium Sulfate (Mg SO ₄)	0.70 %	MSTM E 534 / 2003
Magnesium Chloride (Mg Cl ₂)	1.50%	MSTM E 534 / 2003
Sodium Chloride (Na Cl)	0.80 %	MSTM E 534 / 2003
Sieve Analysis (size)	%	ASTM C 136 / C136M / 2014
+12.00 mm	00	ASTM C 136 / C136M / 2014
+10.00 mm	0.95	ASTM C 136 / C136M / 2014
+9.50 mm	1.58	ASTM C 136 / C136M / 2014
+6.70 mm	4.30	ASTM C 136 / C136M / 2014
+4.75 mm	9.55	ASTM C 136 / C136M / 2014
+2.36 mm	33.19	ASTM C 136 / C136M / 2014
+1.00 mm	29.57	ASTM C 136 / C136M / 2014
+0.600 mm	2.31	ASTM C 136 / C136M / 2014
-0.500 mm	0.41	ASTM C 136 / C136M / 2014

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Analysis report for (REFINED FOOD SALT)

REFINED FOOD SALT CHEMICAL ANALYSIS

ELEMENT	RESULTS%	ANALYSIS METHOD
Moisture	Max 0.035	MSTM E 534 / 2003
Purity (as sodium chloride)	98.55%	MSTM E 534 / 2003
Water Insoluble matter	0.15 %	MSTM E 534 / 2003
Sulfate (SO ₄ -)	Max 0.4 %	MSTM E 534 / 2003
Calcium (Ca ⁺⁺)	Max 0.2 %	MSTM E 534 / 2003
Magnesium (Mg ⁺⁺)	Max 0.2 %	MSTM E 534 / 2003
Sieve Analysis (size)		
Fine salt		0.15 mm to 1.18 mm
Coarse salt		1 mm to 3mm

Iodine or Anti-caking PPM As client request

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Salt Analysis Data for De-icing and Refined Salts

Raw Salt for De-icing - Main Components			
Component	%	%	Tolerance
Moisture	1.69		2.00
Insoluble	1.69		0.20

Raw Salt for De-icing - Contents as ions			
Component	%	%	Tolerance
Subsulfate (SO ₄)	0.69		0.20
Calcium (Ca ⁺⁺)	0.19		0.02
Magnesium (Mg ⁺⁺)	0.19		0.02

Raw Salt for De-icing - Contents as Salts			
Component	%	%	Tolerance
Calcium Sulfate (CaSO ₄)	1.69		0.20
Magnesium Sulfate (MgSO ₄)	2.69		0.20
Magnesium Chloride (MgCl ₂)	0.69		0.20
Sodium Chloride (NaCl)	0.99		2.00

Raw Salt for De-icing - Particle Size Distribution			
Size	%	%	Tolerance
Over 5 mm		18	
Over 2.5 mm		4	
Over 1 mm		18	
Over 0.75 mm		29	
Over 0.5 mm		33	
Under 0.25 mm		1	
Total		100%	

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Salt Analysis Data for Raw Salt & washed

Raw Salt Specifications			
Component	Min %	Max %	
Sodium Chloride	95.0	98.5	
Moisture	2.0	4.0	
Insoluble Matter	0.1	0.8	
Bicarbonate	0.037	0.040	
Subsulfate	0.7	0.9	
Calcium	0.12	0.27	
Magnesium	0.13	0.19	

Washed Salt Specifications			
Component	Min %	Max %	
Sodium Chloride	95.0	98.5	
Moisture	2.0	4.0	
Insoluble Matter	0.05	0.2	
Bicarbonate	0.034	0.037	
Subsulfate	0.18	0.25	
Calcium	0.07	0.07	
Magnesium	0.09	0.12	

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Analysis report for (TABLET SALT)

TABLET SALT CHEMICAL ANALYSIS

ELEMENT	RESULTS%	ANALYSIS METHOD
Moisture	Max 0.3%	MSTM E 534 / 2003
Purity (as sodium chloride)	Min 98 %	MSTM E 534 / 2003
Water Insoluble matter	0.15 %	MSTM E 534 / 2003
Sulfate (SO ₄ -)	Max 0.4 %	MSTM E 534 / 2003
Calcium (Ca ⁺⁺)	Max 0.15 %	MSTM E 534 / 2003
Magnesium (Mg ⁺⁺)	Max 0.1 %	MSTM E 534 / 2003
APPEARANCE		
Diameter	mm	25mm
Thickness	mm	10 mm from the Middle
Solubility	hrs	6-8 hrs in 180 ml water

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SULFUR PURITY 99.7% W/W MIN



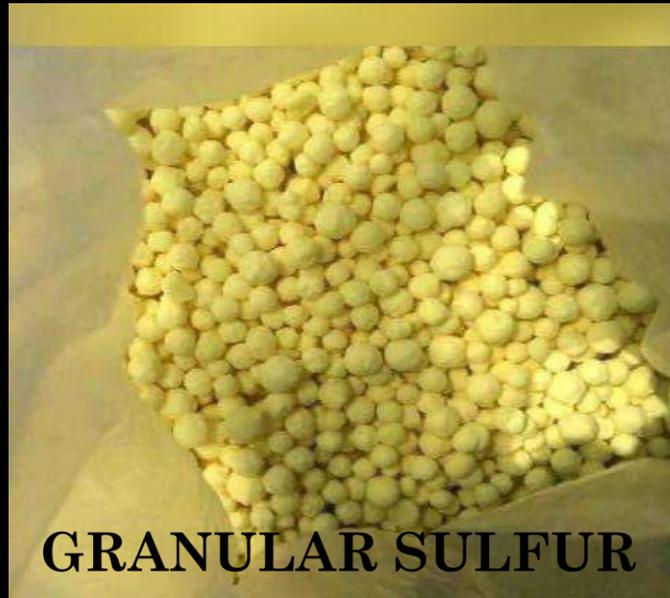
GRANULAR SULFUR



POWDERED SULFUR



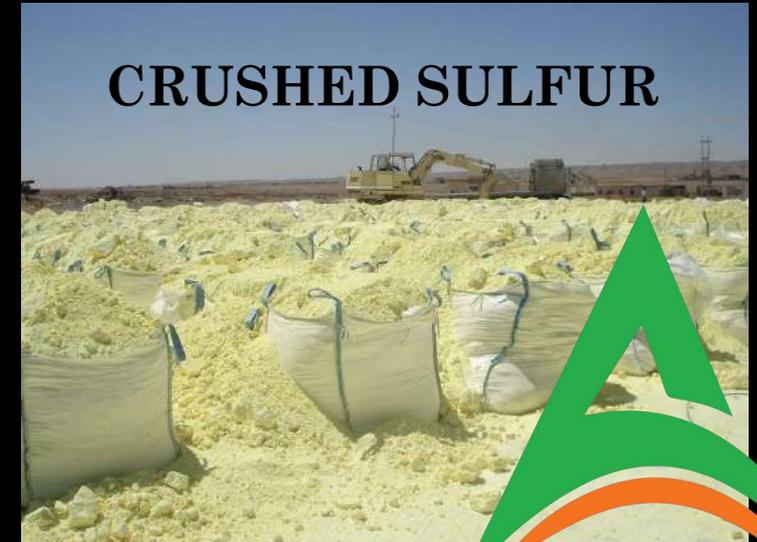
SULFUR FLAKES



GRANULAR SULFUR



GRANULAR SULFUR



CRUSHED SULFUR

SULFUR PURITY 99.7% W/W MIN



ANALYSIS DATA SHEET (ADS) GRANULAR SULPHUR

GRANULAR SULPHUR

Test Parameter	Unit	Result
Purity	%	99.7 w/w min
Ash	%	0.05 w/w max (500ppm)
Colour	-	bright Yellow
Organics	%	0.03 w/w max (300ppm)
Acidity	%	0.02 w/w max (200ppm)
Volatile matter	%	0.03 w/w max (300ppm)
Moisture	%	0.5 w/w max
Selenium	%	0.01 ppm max
Tellurium	%	0.01 ppm max
Arsenic	%	NIL
Lead	%	NIL
Chloride	%	5 ppm max
Fluoride	%	NIL



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ANALYSIS DATA SHEET (ADS)

Sulfur Specifications (According to GOST 127.1-93 & ST RK 3555-2020)

1. Chemical Properties

Parameter	Standard (Grade 9990)	Standard (Grade 9998)	Actual Test Results	Test Method
Mass fraction of sulfur, %, min	99.90	99.98	99.9785 / 99.99	GOST 127.2-93 (Sec. 2)
Mass fraction of ash, %, max	0.05	0.02	0.0052 / 0.003	GOST 127.2-93 (Sec. 3)
Mass fraction of organic substances, %, max	0.06	0.01	0.0160 / 0.005	GOST 127.2-93 (Sec. 5.3)
Mass fraction of acids (as H ₂ SO ₄), %, max	0.004	0.0015	0.0003 / 0.0002	GOST 127.2-93 (Sec. 4)
Mass fraction of water, %, max	0.2	0.2	0.0010 / 0.008	GOST 127.2-93 (Sec. 12)

2. Physical Properties

Parameter	Standard	Actual Results
Appearance	Irregular yellow plates	Complies
Bulk density (g/cm ³)	1.0-1.3	1.0
Mechanical impurities (paper, wood, sand, etc.)	Not permitted	None detected
Granule size (0.5-8 mm), %, min	75 (for Grade 9998)	82

3. Additional Notes

- Specifications (1-4) are calculated on a dry basis.
- Mechanical impurities are checked visually.
- Complies with:
 - GOST 127.1-93
 - ST RK 3555-2020 (Clauses 8.2-8.7)

4. Test Summary

- Purity: Exceeds Grade 9998 standards (99.99% vs. 99.98% required).
- Ash content: Significantly lower than permitted (0.003% vs. 0.02% max).
- No detectable water/contaminants, confirming high-quality sulfur.

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